Please find enclosed the Agenda and supporting documents for the **CLOCA Board of Director’s** meeting on Tuesday, May 16, 2017, **5:00 p.m.**, at 100 Whiting Avenue, Authority’s Office Boardroom.

The list below outlines upcoming meetings and events for your information.

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>EVENT</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 15 to May 19, 2017</td>
<td>9:30 a.m. to 2:30 p.m.</td>
<td>Garlic Mustard Management</td>
<td>Purple Woods Conservation Area</td>
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<tr>
<td>May 16, 2017</td>
<td>5:00 p.m.</td>
<td>CLOCA Board of Director’s Meeting</td>
<td>100 Whiting Avenue Authority’s Office Boardroom</td>
</tr>
<tr>
<td>May 18, 2017</td>
<td>6:30 p.m. to 8:30 p.m.</td>
<td>Turtles 4 Tomorrow Conservation Workshop</td>
<td>Darlington Nuclear Info Centre 1855 Energy Drive, Courtice</td>
</tr>
<tr>
<td>June 20, 2017</td>
<td>5:00 p.m.</td>
<td>CLOCA Board of Director’s Meeting</td>
<td>100 Whiting Avenue Authority’s Office Boardroom</td>
</tr>
<tr>
<td>July 18, 2017 (Tentative)</td>
<td>5:00 p.m.</td>
<td>CLOCA Board of Director’s Meeting</td>
<td>100 Whiting Avenue Authority’s Office Boardroom</td>
</tr>
<tr>
<td>September 19, 2017</td>
<td>5:00 p.m.</td>
<td>CLOCA Board of Director’s Meeting</td>
<td>100 Whiting Avenue Authority’s Office Boardroom</td>
</tr>
<tr>
<td>October 17, 2017</td>
<td>5:00 p.m.</td>
<td>CLOCA Board of Director’s Meeting</td>
<td>100 Whiting Avenue Authority’s Office Boardroom</td>
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<td>November 21, 2017</td>
<td>5:00 p.m.</td>
<td>CLOCA Board of Director’s Meeting</td>
<td>100 Whiting Avenue Authority’s Office Boardroom</td>
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<td>December 19, 2017</td>
<td>5:00 p.m.</td>
<td>CLOCA Board of Director’s Meeting</td>
<td>100 Whiting Avenue Authority’s Office Boardroom</td>
</tr>
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“What we do on the land is mirrored in the water.”
CENTRAL LAKE ONTARIO CONSERVATION AUTHORITY

AGENDA
ANNUAL AUTHORITY MEETING
Tuesday, May 16, 2017 - 5:00 P.M.

MEETING LOCATION: 100 WHITING AVENUE, OSHAWA
AUTHORITY’S ADMINISTRATIVE OFFICE, BOARDROOM

CIRCULATION LIST

Authority Members: Don Mitchell, Chair
Bob Chapman, Vice Chair
John Aker
Shaun Collier
Joe Drumm
Adrian Foster
Derrick Gleed
Ron Hooper
Joe Neal
John Neal
Gerri Lynn O’Connor
David Pickles
Nester Pidwerbecki
Tom Rowett
Elizabeth Roy

Authority Staff: C. Darling, Chief Administrative Officer
B. Boardman, Administrative Assistant/Recording Secretary
H. Brooks, Director, Watershed Planning & Natural Heritage
R. Catulli, Director, Corporate Services
G. Geissberger, Marketing & Communications Coordinator
D. Hope, Land Management & Operations Supervisor
C. Jones, Director, Planning & Regulations
P. Lowe, Director, Community Engagement
P. Sisson, Director, Engineering & Field Operations

Region: Region of Durham, Clerk
                Region of Durham, Planning & Econ Dev.
Media: Ajax Pickering News Advertiser
                CKDO
                Compton Cable TV
                94.9 The Rock
                KX-96 Radio
                Orono Times
                Oshawa Express
                Oshawa/Whitby/Clarington This Week
                Rogers Cable TV
                The Scugog Standard

AGENDA ITEM:

1. DECLARATIONS of interest by members on any matters herein contained

2. ADOPTION OF MINUTES of April 25, 2017

3. CORRESPONDENCE
   None

4. PRESENTATIONS
   None

5. DIRECTOR, DEVELOPMENT REVIEW & REGULATION
   (1) Staff Report #5520-17
       Re: Permits Issued for Development, Interference with Wetlands and Alteration to Shorelines and Watercourses – April 1 to 30, 2017

   (2) Staff Report #5522-17
       Re: Proposed Provincial Excess Soil Regulations

   (3) Staff Report #5523-17
       Re: Durham District School Board Permit Application for New Village Union Public School at 155 Gibb Street, Oshawa

Cont’d
AGENDA ITEM:

6. DIRECTOR, COMMUNITY ENGAGEMENT  
   (1) Staff Report #5521-17  
       Re: 2017 Purple Woods Maple Syrup Festival  

7. DIRECTOR, ENGINEERING & FIELD OPERATIONS  
   (1) Staff Report #5519-17  
       Re: Winter/Spring 2017 – Conservation Areas Update  
   (2) Staff Report #5525-17  
       Re: Lake Ontario Water Levels  

8. DIRECTOR, CORPORATE SERVICES  
   (1) Staff Report #5524-17  
       Re: 2017 Budget  

9. CONFIDENTIAL MATTERS  
   None  

10. MUNICIPAL AND OTHER BUSINESS  

11. ADJOURNMENT
A G E N D A

SUPPORTING DOCUMENTS

MEETING OF: Authority

DATE: Tuesday, May 16, 2017

TIME: 5:00 P.M.

LOCATION: 100 WHITING AVENUE, OSHAWA AUTHORITY’S ADMINISTRATIVE OFFICE, BOARDROOM
DATE: May 16, 2017
FILE: RPRG3974
S.R.: 5520-17
TO: Chair and Members, CLOCA Board of Directors
FROM: Chris Jones, Director, Planning & Regulation
SUBJECT: Permits Issued for Development, Interference with Wetlands and Alteration to Shorelines and Watercourses – April 1 to 30, 2017

Attached are Development, Interference with Wetlands and Alterations to Shorelines and Watercourses applications, pursuant to Ontario Regulation 42/06, as approved by staff and presented for the members’ information.

RECOMMENDATION:
THAT Staff Report #5520-17 be received for information.
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<td>C17-052-GBH</td>
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<td>C17-054-GB</td>
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<td>C17-058-GBH</td>
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<td>C17-072-GB</td>
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<td>O17-071-GFW</td>
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<td>O17-062-GBH</td>
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<td>O17-068-RH</td>
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<td>LO7 31/CON 01</td>
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<td>DEVELOPMENT ACTIVITIES ASSOCIATED WITH THE CONSTRUCTION OF A NEW DWELLING AND REMOVAL OF THE EXISTING DWELLING</td>
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MEMO TO: Chair and Members, CLOCA Board of Directors
FROM: Chris Jones, Director, Planning and Regulation
SUBJECT: Proposed Provincial Excess Soil Regulations

Purpose:
This report introduces and summarizes the proposed provincial excess soil regulations and provides an analysis with respect to CLOCA’s interests.

Background:
CLOCA staff last reported to the Board of Directors on this matter at its January 17, 2017 meeting via Staff Report #5507-17, which addressed the final provincial Excess Soil Management Policy Framework (the framework). The framework provides a provincial level response, lead by the Ministry of the Environment and Climate Change (MOECC), with respect to the ongoing issues associated with large-scale commercial fill operations. The goals of the framework are to: (1) Protect human health and the environment from inappropriate relocation of excess soil; and, (2) Enhance opportunities for the beneficial re-use of excess soil and reduce greenhouse gas emissions associated with the movement of excess soil. A set of 21 specific actions are set out in the framework. Addressing several of these actions, MOECC released a Proposed Excess Soil Regulatory Package on Ontario’s Environmental Bill of Rights Registry on April 24, 2017 for 60 days of public review and comment, which will conclude on June 23, 2017.

Proposed Excess Soil Regulations:
The Proposed Excess Soil Regulatory Package is a technical document that articulates the specific regulatory measures the province is proposing to enact through regulations. While the exact legal text of the regulations has not been released for review and comment, the proposed measures and supporting technical guidance have been identified, which include the following:

- A new Excess Soil Reuse Regulation and complimentary changes to associated regulations under the Environmental Protection Act and Building Code Act, 1992;
- New excess soil Reuse Standards and Sampling Guidance to support the implementation of the new excess soil reuse regulation.

New Excess Soil Reuse Regulation
This new regulation, to be enacted by MOECC under the existing provisions of the Environmental Protection Act (EPA), is the largest and most significant action the province is taking under the framework. In summary, and based on the information released by the province, the regulation would contain the following six (6) major elements:

1. Define Excess soil as a “Waste.”
A waste designation has specific meaning under the EPA, allowing for legal obligations related to tracking and hauling to apply. Excess soil would be designated as a waste from the time it leaves the property from which it is excavated. This designation would apply regardless of the quality or quantity of excess soil that is destined for deposit at a receiving site. The waste designation on excess soil would cease where it is deposited in accordance with a site specific instrument (i.e. local permit) that authorizes the deposition of soil at that receiving site.

2. Require Excess Soil Management Plans (ESMP) for Source Sites of excess soil.

A proponent would be required to prepare an ESMP if either of the following criteria is met: 1. if 1000m³ or more of excess soil (about 100 truckloads) is being removed from a project area; or 2. if excess soil is being removed from an area associated with a potentially contaminating activity (PCA). A plan would be required to be prepared, certified by a qualified person (QP) and registered on an online excess soil reuse registry prior to excess soil leaving a project area; moving excess soil from a project area would be prohibited unless this is completed. The characterization of the excess soil, the determination of appropriate receiving sites, and the requirement to track excess soil movements from the time of excavation to the time of deposit at a receiving site are key components of the ESMP to be enacted through the regulation.


A QP would be required to identify receiving sites for excess soil in the ESMP. For sites subject to site specific instruments (i.e. local by-laws and conservation authority permit requirements), the quantity and quality of excess soil that may be taken to that receiving site must be in compliance with the local by-law or conservation authority permit.


The regulation would require an excess soil tracking system to be developed by a QP on behalf of the proponent. Amongst other information, the tracking system would be able to produce a record of the source(s) of excess soil, excess soil quality details and intended receiving site(s). In order to help ensure that excess soil is tracked from a project area to a receiving site, a driver transporting a load of excess soil would be required to produce an excess soil hauling record upon request. A cumulative record of excess soil movement would be required to record the total amount of excess soil and the quality of the soil that has been moved to each receiving site at any point in time. An ESMP would be registered on the public Environmental Site Registry prior to any excess soil being moved from a project area. The registration would be updated as excess soil is moved to include information related to soil movements. Finally, excavated soil would be designated as a waste if it is ‘liquid waste.’ This is intended to include soil excavated by way of a vacuum truck and mixed with liquid.


The regulation would address several other related items associated with excess soil including: temporary excess soil storage sites; operational requirements for excess soil processing sites; exempting excess soil haulers from needing an Environmental Compliance Approval; managing excavated soil that is liquid waste; managing materials other than excess soil (these would be subject to the standard EPA waste regulation); and, record keeping (records required by the regulation would need to be kept for a minimum of 5 years).

Transition rules are proposed that would take into consideration “projects that are substantially planned, approved or underway.” Tracking and record keeping requirements may be more practical to implement even if a project’s planning is well-underway and may be imposed by the transition rules.

New excess soil quality Reuse Standards and Sampling Guidance

New soil quality reuse standards and sampling guidance are proposed to support the implementation of the new excess soil reuse regulation. Generic excess soil reuse standards have been developed incorporating three factors: (1) types of land use on the receiving site, (2) ground water potability, and (3) total volume of excess soil to be deposited. Special rules have been drafted, which must be adhered to, which also define when a QP may be required to determine which soil reuse quality standards apply to a receiving site. For example, within an Environmentally Sensitive Area, excess soil may only be used subject to the traditional Table 1 Soil, Ground Water and Sediment Standards. Agricultural Lands, may only be used as a receiving site for excess soil if no excess soil is to be placed on top of existing topsoil (unless the soil is topsoil) and the soil meets the traditional Table 1 quality standard.

Discussion and Analysis

The release of the Proposed Excess Soil Regulatory Package for public review and comment prior to the enactment of the actual regulations is welcome and indicates that the province intends to take regulatory action in order to close a significant policy gap in relation to excess soil. CLOCA staff continues to support the proposed emphasis on source site regulation as appropriate and necessary. The proposed excess soil reuse regulation will provide detailed requirements and obligations on the producers of excess soil to file Excess Soil Management Plans with a prescribed contents and level of analysis, specifically with respect to soil quantity and quality. The proposed tracking system and hauling requirements appear to be well integrated with source sites through the use of the ESMP documents, tracking systems and hauling records.

Areas for Improvement

CLOCA’s direct regulatory interests are confined primarily to the receiving sites and the operationalization of the soil reuse regulation in this regard. Based upon our review, we have identified the following areas for improvement to be considered by MOECC as the regulations are finalized and drafted into law. Specific amendments are proposed in Appendix 1 to this report.

- Directly reference Section 28 Regulations made under the Conservation Authorities Act, as a site specific instrument.

While the proposed regulation would provide for the application of conservation authority regulations and permit requirements to receiving sites, the definition provides three specific examples, excluding conservation authority regulations. In CLOCA’s watershed, for example, our regulation covers approximately 42% of the landscape. The importance of these regulations for the protection of public health and safety and environmental protection, necessitates that the proposed soil reuse regulation specifically make reference to them.

- Strengthen integration of Site Specific Instruments for Receiving Sites.

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1 An Environmentally Sensitive Area is to be defined as lands within 30m of a wetland, stream, area of ground water recharge, an environmentally significant area identified in an Official Plan, Natural Core or Natural Linkage areas within the Oak Ridges Moraine Conservation Plan, amongst other areas, which include many areas in the CLOCA watershed.

2 Agricultural Lands are to be defined as lands planned to be used for growing crops or pasturing livestock.
It is vital that the proposed soil reuse regulation provide a strong linkage and support to local site specific instruments (i.e. municipal by-laws and conservation authority regulations) to ensure that excess soil is only deposited on receiving sites that are appropriate.

- Clarify why Haulers of Excess Soil would be Exempt from Environmental Compliance Approvals

Under current rules, waste haulers are required to obtain Environmental Compliance Approvals (ECA) from MOECC. The proposal would remove this requirement in relation to haulers transporting excess soil to receiving sites, for example. It is understood that haulers would still be subject to the operating standards for waste management systems and would also be required to be able to produce an excess soil hauling record. Haulers are an important linkage in the excess soil management process and have new responsibilities under the proposed regulation in relation to tracking. Given this, it is not clear why the ministry would not want to use the ECA as a tool to ensure hauler compliance with the proposed regulation. Further explanation is desired.

- Reconsider Exemption and Threshold for Stormwater Management Ponds

The proposed soil reuse regulation provides that an ESMP is not required for the regular maintenance or repair of stormwater systems. However, some excess soil movements would be required to be registered to the Environmental Site Registry despite the exemption from the requirement to prepare an ESMP, including movements of 1000m³ or more of excess soil resulting from maintenance of stormwater ponds. Given the soil quality concerns with sediment in stormwater management ponds, CLOCA staff suggest that it would be appropriate for the maintenance or repair exemption to not apply specifically to the maintenance of stormwater management ponds and that the ESMP process apply to these facilities based on the quality thresholds established for other projects subject to the ESMP requirement.

**Update Regarding Bill 68 Amendments to Municipal Act, 2001 to Expand Jurisdiction of Municipal Fill and Site Alteration By-laws**

Bill 68, Modernizing Ontario’s Municipal Legislation Act, 2017 contains a provision which, if enacted, would remove any restrictions on the application of municipal fill and site alteration By-laws within a municipality and create a shared jurisdiction with conservation authorities on regulating and implementing the proposed excess soil reuse regulation on receiving sites within conservation authority regulated areas. As of the preparation of this report, the bill is at Third Reading and is expected to pass and receive Royal Assent before the Legislature rises on June 1st. CLOCA staff assisted Conservation Ontario in their presentation on this issue when the bill was at committee stage of consideration. As the current restrictions on municipal by-laws will be removed upon Royal Assent, CLOCA will need to work very closely with our municipal colleagues to re-confirm or establish new operational protocols with watershed municipalities this year. CLOCA’s Large Fill Policy, May 2014 will also need to be updated with respect to the new jurisdictional landscape.

**Conclusion**

CLOCA staff recommends that MOECC carefully consider and respond to the detailed commentary on the proposed soil reuse regulation contained in the Appendix to this report. The Proposed Excess Soil Regulatory Package indicates that the long period of a provincial regulatory gap in relation to excess soil is about to end, however the new regulation and guidance could be severely undermined if MOECC does not have the operational capacity or inclination to rigorously administer the new provisions. MOECC needs to support local regulators of receiving sites, especially municipalities and conservation authorities, as they will carry a new
unfunded mandate to work within the proposed regulatory framework. As discussed above, the proposed changes, including Bill 68, will have implications to CLOCA’s Large Fill Policy and related operational processes. CLOCA staff will need to work very closely with our municipal colleagues to re-confirm or establish new operational protocols with watershed municipalities including amendments or replacement of CLOCA’s *Large Fill Policy, May 2014*.

**RECOMMENDATIONS:**

*THAT* Staff be directed to begin consultations with watershed municipal staff to efficiently and effectively operationalize the new Excess Soil Management Framework in a collaborative fashion;

*THAT* Staff Report 5522-17 and the specific amendments and comments in Appendix 1 be endorsed as CLOCA’s comments on the Proposed Excess Soil Regulatory Package (EBR Registry No. 013-0299); and,

*THAT* Staff Report 5522-17 be circulated to the Region of Durham, watershed municipalities, neighbouring conservation authorities, and Conservation Ontario.

ATTACH.

CJ/bb

s:\reports\2017\sr5522_17.docx
Appendix 1  
CLOCA Recommended Amendments and Comments for Proposed Excess Soil Regulatory Package

Integration and Support to Conservation Authorities

1. The proposed regulatory package should include additional responses to the *Excess Soil Management Policy Framework* in order to provide needed integration and support to conservation authorities.

2. Directly reference Section 28 Regulations made under the *Conservation Authorities Act*, as a site specific instrument in the proposed soil reuse regulation.

**Rationale**

Specific amendments to the *Conservation Authorities Act* are needed in order to; enhance collaborative enforcement actions in partnership with provincial ministries, municipalities and conservation authorities; increase applicable fines for violations; provide stop work orders for violations in progress; and ensure that financing and funding tools match capacity needs.

While the proposed regulation would provide for the application of conservation authority regulations and permit requirements to receiving sites, the definition provides three specific examples, excluding conservation authority regulations. In CLOCA’s watershed, for example, our regulation covers approximately 42% of the landscape. The importance of these regulations for the protection of public health and safety and environmental protection necessitates that the proposed soil reuse regulation specifically make reference to them.

Receiving Sites Identification and Rules

3. Strengthen integration of Site Specific Instruments for Receiving Sites;

It is vital that the proposed soil reuse regulation provide a strong linkage and support to local site specific instruments (i.e municipal by-laws and conservation authority regulations) to ensure that excess soil is only deposited on receiving sites that are appropriate. The following amendment is proposed:

A QP shall identify receiving sites in an ESMP in accordance with the following rules:

a) If the receiving site is subject to a site specific instrument or by-law, the quantity and quality of excess soil that may be taken to that receiving site will be in compliance with that site specific instrument or by-law. For greater certainty, the placement of the excess soil shall conform to the requirements of that site specific instrument or by-law along with any other general or specific requirement or condition established by the instrument or by-law including the precise location of placement of excess soil and any other associated site alteration.

b) ...

c) If the receiving site is within an area subject to a Provincial Plan, the placement of the excess soil and any associated site alteration shall conform to the site alteration provisions of that Plan.

“Provincial Plan” means, (a) the Greenbelt Plan established under section 3 of the Greenbelt Act, 2005, (b) the Niagara Escarpment Plan established under section 3 of the Niagara Escarpment Planning and Development Act, (c) the Oak Ridges Moraine Conservation Plan established under section 3 of the Oak Ridges Moraine Conservation Act, 2001, (d) a development plan approved under the Ontario Planning and Development Act, 1994, (e) a growth plan approved under the Places to Grow Act, 2005, (f) the Lake Simcoe Protection Plan established under section 3 of the Lake Simcoe Protection Act, 2008.
d) A QP shall update an ESMP with the approval information associated with the site specific instrument 14 days after approval has been provided by the approval authority of the site specific instrument.

Rationale
The proposed rule only establishes that a QP identify a suitable receiving site based on two factors: 1) quantity and 2) quality. In the frame of receiving sites, there are many more factors to be considered beyond these two. Chiefly, the permanent location of the excess soil is of significant concern in the receiving site context. This is especially so with respect to the long-term protection of natural heritage features and areas, hydrologic features and areas, and natural hazards. Specific language is therefore proposed with respect to the location of placement of excess soil.

Site specific instruments have general and specific requirements and conditions to approval that all must be adhered to. For example, the need to undertake maintenance and monitoring of sediment and erosion control measures. The receiving site rules should reference these obligations.

Provincial Plans have detailed policy directions that are applicable at the site scale with respect to site alteration in order to protect the ecological and hydrological integrity of various landscapes including the Oak Ridges Moraine. The receiving site rules should make specific reference to these plans and the need to conform to them.

Finally, it is important for transparency, accountability, and those who administer site specific instruments for receiving sites that ESMP records incorporate and make reference to the site specific instrument approvals that apply to each receiving site considered in the ESMP and that this information be updated to the public registry.

Exemption for Haulers of Excess Soil

4. Clarify why Haulers of Excess Soil would be Exempt from Environmental Compliance Approvals

Rationale
Under current rules, waste haulers are required to obtain Environmental Compliance Approvals (ECA) from MOECC. The proposal would remove this requirement in relation to haulers transporting excess soil to receiving sites, for example. It is understood that haulers would still be subject to the operating standards for waste management systems and would also be required to be able to produce an excess soil hauling record. Haulers are an important linkage in the excess soil management process and have new responsibilities under the proposed regulation in relation to tracking. Given this, it is not clear why the ministry would not want to use the ECA as a tool to ensure hauler compliance with the proposed regulation. Further explanation is desired.

Exemption and Threshold for Stormwater Management Ponds

5. Reconsider Exemption and Threshold for Stormwater Management Ponds

Rationale
The proposed soil reuse regulation provides that an ESMP is not required for the regular maintenance or repair of stormwater systems. However, some excess soil movements would be required to be registered to the Environmental Site Registry despite the exemption from the requirement to prepare an ESMP, including movements of 1000m³ or more of excess soil resulting from maintenance of stormwater ponds. Given the soil quality concerns with sediment in stormwater management ponds, CLOCA staff suggest that it would be appropriate for the maintenance or repair exemption to not apply to the maintenance of stormwater management ponds and that the ESMP process apply to these facilities based on the quality thresholds established for other projects subject to the ESMP requirement.
Purpose
This report describes and makes recommendations related to a permit application made by the Durham District School Board (DDSB) for development activities associated with the relocation of the Village Union Public School to the former Oshawa Central Collegiate Institute lands at 155 Gibb Street in the City of Oshawa. This application is before the Board of Directors for consideration as it does not conform to CLOCA’s Board approved Policy and Procedural Document for Regulation and Plan Review.

Project Location and Environmental Setting
The subject lands are located on the south side of Gibb Street and are framed by the main Oshawa Creek to the east, the Canadian Pacific Railway corridor to the south and residential homes on Nassau Street and the Goodman Creek to the west. The lands are located along the valley floor of the Oshawa Creek and Goodman Creeks. The confluence of the two creeks is located within the southeast portion of the lands.

The depth of flooding at the subject site at a regulatory flood event is at a significant depth of over 5.5 metres (18 feet) at the existing school building. This is exacerbated due to the location of the site on the valley floor, the Canadian Pacific Railway embankment and undersized Oshawa Creek structure. The railway infrastructure impounds flood waters, increasing flood depths within the valley from what would otherwise be the case.
The severity of flood risk in this portion of the City of Oshawa places the subject lands within the Flood Damage Centre with the highest risk rating in CLOCA’s watershed (the risk score for this area is 360, over 2.5 times the average risk score of 135 for Flood Damage Centres), as documented in CLOCA’s recently completed Watershed Risk Assessment, April 2017. This is due to the conditions identified above as well as the serious structural damage that would be caused by the depth of flooding and the high social and economic impact that a flood would have to the neighbourhood given the level of unprotected development within the flood plain.

Description of Proposed Works
The former Oshawa Central Collegiate Institute was closed as a secondary school by the DDSB in June 2016 as the result of an Accommodation Review. Village Union Public School is presently located at the northwest corner of the intersection of Simcoe Street and Gibb Street, 450 metres east of the subject lands. It is understood that certain aspects of the current Village Union site are suboptimal for the DDSB including a small restricted play space, the flankage of the site of two busy roads, and deficient parking. It is further understood that the DDSB finds the closeness of the subject lands as an opportunity to relocate Village Union Public School in order to “enhance the learning environment of the pupils” and to maintain the educational use of the subject lands, which was an expressed community desire during the Accommodation Review.

The existing structure on the subject lands is to be maintained with minor additions at the south to accommodate a new storage and vestibule space and at the main entrance to the building to provide for a new elevator structure and barrier free entryway. Internal changes to the building include newly configured classrooms, four new kindergarten rooms, two special education rooms, new library, mechanical rooms, washrooms and future expansion space. External changes include two kindergarten play areas, new parking and drop-off areas, new site landscaping surrounding the building, new Low Impact Development stormwater measures (permeable paving and drainage measures), fencing and new riparian restoration plantings along the Goodman Creek Corridor along with the removal of two disused pedestrian bridge abutments at the Goodman Creek.

Attachment No. 1 to this report is an Architectural Site Plan, which illustrates the exterior changes proposed for the site.

Land Use Planning Context

The portion of the subject lands containing the existing school structure are zoned “CIN – Community Institutional Zone” as shown in the image to the left. The remainder of the site is within the “OSH – Open Space Hazard Zone”. Permitted uses in the Community Institutional Zone include Children’s Shelter, Day Care Centre, Elementary School, Private School and Secondary School amongst others. The Elementary School permitted use, combined with the limited exterior changes to the existing structure, which comply with the other CIN zone regulations that apply to the lands, means that the DDSB does not require a zoning approval or variance in order to secure a building permit for the proposal.

The subject lands are within the Oshawa and Goodman Creek Two Zone Flood Plain Management Policy overlay and are designated as Residential (school portion of the site) and Open Space and Recreation (Oshawa and Goodman creek corridors) on Schedule ‘A’ Land Use in the Oshawa Official Plan.

City of Oshawa Development Services Department staff have confirmed that no Planning Act approvals are required for the proposal, including site plan control.
Proposal Constitutes ‘Development’ under the Conservation Authorities Act
The entire site is located within a Regulated Area pursuant to CLOCA’s Ontario Regulation 42/06 due to the presence of the regulatory flood plain, which means that a permit is required from CLOCA before a building permit may be issued to construct the proposed works.

Under CLOCA’s Ontario Regulation 42/06 permission is required from CLOCA in order to undertake development within a regulatory flood plain. Development is defined, in part, by Subsection 28(25) of the Conservation Authorities Act, which states that “Development means, … any change to a building or structure that would have the effect of altering the use or potential use of the building or structure, increasing the size of the building or structure...” (emphasis added).

From a review of the proposal, it is understood that the use of the building is being altered to accommodate an elementary school from a high school, including the introduction of specialized rooms for kindergarten classes and special education classes along with increasing the size of the building in order to accommodate new storage and vestibule space, a reconfigured main entrance and an elevator and associated mechanical systems.

Ontario Regulation 42/06 Tests for Approval
Subsection 3(1) of our regulation provides that “The Authority may grant permission for development … if, in its opinion, the control of flooding, erosion, dynamic beaches, pollution or the conservation of land will not be affected by the development.” This provision defines the legal tests for approval against which applications are evaluated along with the implementing board-approved policy direction in CLOCA’s Policy and Procedural Document for Regulation and Plan Review.

Conservation Authorities Act Section 28 Regulations Tests for Approval and Current Case Law
On September 9, 2015 the Divisional Court issued a decision in Gilmor v. Nottawasaga Valley Conservation Authority (NVCA) on the tests under the Conservation Authorities Act, specifically the flooding test in relation to safety, including the safe access to a site. The Court found that any permit denial must consider the impact of the proposed development on flood control, if any, in the particular circumstances at hand and not apply a presumed general prohibition against development. The decision to deny a permit and prohibit development must be reasonable on the facts. A conservation authority may therefore consider safety issues but safety concerns cannot be elevated to a stand-alone ‘head of jurisdiction’. A conservation authority does not have jurisdiction to deny a permit application on the basis of safety where flood control is not impacted.

This Divisional Court decision is currently under appeal; however a disposition from the Court of Appeal has not yet been released as of the preparation of this report. Conservation authority decisions with a similar fact situation must follow the Divisional Court decision, effective from the date of the Divisional Court decision of September 9, 2015.

The Gilmor decision is summarized above, as the decision is directive in relation to the evaluation of the control of flooding test for this application and subsequently constrains the implementation of the related CLOCA Board of Director’s approved policy directions, as they apply to this application.

The following is a summary of the proposal in relation to the tests identified below:

Control of Flooding Test
Minor expansions to the total footprint of the existing structure are proposed, as discussed above. Most of the work entails repurposing and renovating the interior of the existing structure to convert it to an elementary school use. As a result, the proposal will not affect the storage and conveyance of flood waters.

However, the issue of safety must be raised under the control of flooding test, as the subject site and its over 5.5 metres of flood vulnerability mean that the site is not desirable for the proposed use in consideration of public health and safety. The ability for the public and emergency operations personnel (police, firefighters, ambulance, etc.) to...
safely access a structure, particularly a public school, during a flooding event, is an important factor when considering any application for development. Access to the proposed development is not safe in the event of a regulatory storm and is not appropriate for the proposed use in that context.

To mitigate and plan for the risks associated with the site, the DDSB has submitted a Flood Risk Management Plan – Village Union Public School, May 1, 2017 in support of the application. The document identifies a specific Flood Operational Response for the site at each level of emergency notification (Normal (Green), Water Safety Statement (Yellow), Flood Outlook Statement (Yellow), Flood Watch (Orange) and Flood Warning (Red). The plan also provides emergency information and a series of evacuation and alternative evacuation routes. In addition to review by CLOCA staff, this plan will need to be reviewed by Oshawa Fire Services.

With respect to the flood vulnerability of the school structure itself, an analysis by the DDSB’s architect indicates that the building, as proposed, would be subject to flooding impacts at the 10-year flood event with water entry through a kitchen door on the east side of the building. Attachment No. 2 to this report contains an excerpt of the Flood Risk Management Plan – Village Union Public School, May 1, 2017, which identifies the impacts on the school associated with each modelled flood stage.

**Erosion Test**
No new structures are proposed that would be in an erosion hazard associated with the Oshawa or Goodman creeks on the subject lands. The proposed removal of two unused pedestrian bridge abutments from the Goodman Creek corridor will remove them from the erosion zone associated with the creek.

**Dynamic Beaches Test**
No dynamic beaches are present within the proposed work area.

**Pollution Test**
Detailed erosion and sediment control will be incorporated into the detailed design plans for the proposal that, if professionally implemented and maintained, will address potential sediment pollution from the proposed works.

**Conservation of Land Test**
The proposed restoration plantings along the Goodman Creek corridor and fencing will provide for the restoration of a reach of the Goodman Creek with a naturalized riparian zone. The implementation of Low Impact development measures, including rain absorbent landscaping and pervious paving lessens the hydrologic impact of the existing developed site.

**Policy and Procedural Document for Regulation and Plan Review (PPD)**

**General Policy**
*Development is prohibited in hazardous lands and hazardous sites where the use is... an institutional use including, but not limited to, those associated with... preschool, school nurseries, day care and schools, as there is a threat to the safe evacuation of the sick, the elderly, persons with disabilities or the young during an emergency as a result of flooding.*

**5.4 Flooding Hazard – Technical Standards for the Flooding Hazard:**
*Where floodproofing standards or safe access cannot be obtained for development, generally the development should be prohibited.*

Both of the general policies captioned above would seek to prohibit this proposal given the location and flood risk present. Given the lack of statutory authority to prohibit development on the basis of safety alone, as per the Gilmor decision captioned above; the pre-existing land use planning permissions in place; and that the development is within an existing school structure; and that a flood risk management plan has been prepared for this use, the general policies cannot be applied in this specific instance.

Cont’d
Oshawa and Goodman Creek Two Zone Flood Plain Management Policy

4.1.9 The following uses will not be permitted in the Floodway and Flood Fringe Area: ... b) institutional uses such as ... schools and childcare facilities that would pose a significant threat to the safety of the inhabitants (e.g. the disabled or the young) if involved in an emergency evacuation situation as a result of flooding or failure of floodproofing measures.

This policy would seek to prohibit this proposal given the location and flood risk present. Given the lack of statutory authority to prohibit development on the basis of safety alone, as per the Gilmor decision captioned above; the pre-existing land use planning permissions in place; that the development is within an existing school structure; and that a flood risk management plan has been prepared for this use, this policy cannot be applied in this instance.

**Permit Application Requires Board Approval**

The Board’s delegation of permit approvals to staff provides that staff do not have the authority to approve permit proposals which are “a significant departure from the approved CLOCA Policy and Procedural Document for Regulation and Plan Review.” Given that this type of proposal does not conform to approved CLOCA policy, as summarized in the previous section of this report and given the sensitive use, and level of flood risk present, this proposal will require Board of Director’s consideration for a decision.

**Staff Summary Analysis**

The DDSB has chosen to relocate the Village Union Public School onto hazard lands within the Oshawa and Goodman creek valleylands. The subject property is ranked within a Flood Damage Centre that has the highest risk score within the CLOCA watershed. The proposed school will serve young children and children with disabilities – two vulnerable populations that provincial planning policy directs not be placed within hazard lands. The DDSB has acknowledged this risk in writing, as follows: “The Durham District School Board is aware the site is on a floodplain, being adjacent to the Oshawa Creek, and understands the risks that are involved in such. Therefore, it has been necessary for the Durham District School Board to prepare a Flood Risk Management Plan for this location.” (See Attachment No. 3 to this report).

In the absence of statutory authority to refuse this application, and in the context where no land use planning permissions are required, this new school, and the children within it, will rely on the DDSB and its employee’s understanding of the risks involved, and in emergency services ability to respond, as necessary.

**RECOMMENDATIONS:**

THAT permit application RCON10-6 be approved subject to implementing conditions to be determined by staff;  
THAT the Durham District School Board be advised in writing that CLOCA will not provide any further permit approvals for the subject lands for additions to accommodate additional pupils;  
THAT the Durham District School Board be advised in writing that CLOCA will not provide any permit approvals for portable classrooms on the subject lands;  
THAT the Durham District School Board enter into a save harmless agreement with CLOCA with respect to this approval and that the agreement be registered against the title of the lands;  
THAT CLOCA staff seek to ensure that the development associated with this permit approval be considered in any future downstream infrastructure works that might mitigate flood risk to the lands municipally known as 155 Gibb Street; and  
THAT the City of Oshawa, as part of a future update to the Comprehensive Zoning By-law, be requested to extend the OSH zoning, or equivalent, across the entire parcel of lands municipally known as 155 Gibb Street, and only allow permitted uses consistent with provincial land use planning policy.

Attach.  
CJ/bb
- Confluence of Oshawa and Goodman Creeks
- New Fencing and Riparian Restoration Area for Goodman Creek
- New Addition for Vestibule/Storage
- New Elevator Structure
- New Entrance and Barrier Free Access
- New Landscaping and Parking Areas
- Oshawa Creek and Recreational Trail
- New Kindergarten Play Areas
- New Kindergarten Drop-Off Area
- Existing: 7,751.50 (14.5%)
- Proposed: 32,144 (60.2%)
- Top of Slope
- Bottom of Slope
- Sill = 96.82
- Sill = 96.81
- New Parkings Stalls
- Ex. Pre-cast Curbs
- Outdoor Classroom
- Accessible
- Engineered Mulch with Wood Curb at Perimeter
- New Drop-off Areas
- New Crosswalk
- New Painted Arrow
- New Sod
- Ex. Asphalt
- New Garbage O/H
- New Park
- New Toboggan Run
- New Picnic Area
- New Cycling Path
### ANNEX 1 – FLOOD HAZARD

<table>
<thead>
<tr>
<th>FLOOD STAGE</th>
<th>FLOOD LEVEL (metres)</th>
<th>IMPACT on Village Union PS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Year</td>
<td>95.92</td>
<td>Water in parking lot and field.</td>
</tr>
<tr>
<td>5-Year</td>
<td>96.24</td>
<td>No water entry-water up to and around school on north, east and south sides</td>
</tr>
<tr>
<td>10-Year</td>
<td>96.48</td>
<td>Water entry through doorway at kitchen door on east side (&lt; 10 cm) (Confined to cafeteria, kitchen and staff room).</td>
</tr>
<tr>
<td>25-Year</td>
<td>96.91</td>
<td>Water will breach all doorways. School floor level is 96.8 so will have about 10 cm of water in school on ground floor level, but not depot/public areas (old pool).</td>
</tr>
<tr>
<td>50-Year</td>
<td>97.26</td>
<td>Water will breach all doorways of school. School floor level is 96.8 so will have about 10 cm of water in school on ground floor level, but not depot/public areas (old pool).</td>
</tr>
<tr>
<td>100-Year</td>
<td>97.65</td>
<td>Water will breach all doorways of school, Kindergarten windows, but not depot/public areas. School floor level is 96.8 so will have about 85 cm in school on ground level.</td>
</tr>
<tr>
<td>Regional</td>
<td>101.94</td>
<td>Water will be 5.14 m above the ground floor level of the school. Then entire first floor will be under water and up to knees on second floor.</td>
</tr>
</tbody>
</table>
Water Level Legend
- (Yellow) 95.92 m - Water level is below ground level of building
- (Green) 96.2 m - Water level is below ground level of building but covers Kindergarten drop off area.
- (Orange) 96.48 m - Water level is at Ground Level of Building on North Side
- (Blue) 96.91 m - Water level is above ground level of building
May 1, 2017

Central Lake Ontario Conservation Authority  
100 Whiting Avenue  
Oshawa, ON  
L1HN3T3

Attn.: Mr. Chris Jones  
Director of Planning and Regulation

Dear Sir,

**RE: Village Union PS Relocation**

This letter is in response to your request regarding the relocation of Village Union PS in the former Oshawa Central CI.

Former Oshawa Central CI closed as a secondary school in June 2016 as the result of an Accommodation Review. Former Oshawa Central CI is located 0.45km west of Village Union PS and is a 16.044 acre site with 10 acres of play space.

Village Union PS, currently located at the corner of Simcoe Street and Gibb Street, is a 4.36 acre site with a small restricted play space of less than 1 acre, accommodating the current enrolment of 356 pupils. The school is flanked by busy streets on three sides (Gibb Street to the south, Simcoe Street to the east and Centre Street to the west). It is also not uncommon for traffic, from the clinic across the street from the school, to seek open parking spaces. Also, the future widening of Gibb Street would create further hazards for elementary pupils within the building.

Due to the close proximity of the two facilities, the Board recognized an opportunity to enhance the learning environment of the pupils attending Village Union PS, by relocating them to the former Oshawa Central CI location, while maintaining the educational use of the former Oshawa Central CI building and site. During the public consultation process of Oshawa Central CI Accommodation Review, the need to maintain Oshawa Central CI as an educational facility for the community was expressed.

The Durham District School Board is aware the site is on a floodplain, being adjacent to the Oshawa Creek, and understands the risks that are involved with such. Therefore, it has been necessary for the Durham District School Board to prepare a Flood Risk Management Plan for this location.

Yours truly,

Christine Nancekivell,  
Senior Manager of Facilities Services  
Accommodation and Transportation
MEMO TO: Chair and Members, CLOCA Board of Directors
FROM: Patricia Lowe, Director, Community Engagement
SUBJECT: 2017 Purple Woods Maple Syrup Festival

Introduction

For 42 years, Central Lake Ontario Conservation staff and their many community partners have contributed to the successful delivery of the annual Maple Syrup Festival at Purple Woods. From March 11 to 19 and the weekends of March 25 & 26 and April 1 & 23, CLOCA delivered a well received and affordable family experience to our regional community. We showcased 400 years of the maple syrup history in Ontario, complete with fireside stories and lots of hands-on activities for kids and those young at heart. Our retail store offered a variety of maple syrup and maple syrup products for sale, as well as A Purple Woods, our new children’s picture book. Visitors had an opportunity to catch a horse and wagon ride, meet some local wildlife and play games that involved a tablet made from slate. After hiking our trails they had the opportunity to enjoy some hot pancakes, sausages, cider and maple syrup served up in Heritage Hall by our community volunteers. The following are the highlights from Purple Woods Maple Syrup Report for 2017, attached.

Highlights

<table>
<thead>
<tr>
<th>Item</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admissions</td>
<td>8,383 with 25 percent of tickets purchased on site or at the office with 3 sold out days</td>
</tr>
<tr>
<td>Festival Closures</td>
<td>The Festival was closed on Tuesday March 14th due to a snow storm</td>
</tr>
<tr>
<td>Production</td>
<td>1200 trees 1030 litres of syrup produced</td>
</tr>
<tr>
<td>Returning Sponsors</td>
<td>Regional Municipality of Durham</td>
</tr>
<tr>
<td></td>
<td>Ontario Power Generation Darlington</td>
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<tr>
<td></td>
<td>Williams Communication</td>
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<td></td>
<td>Greenstone Tree Service</td>
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<td>Vickery Electric</td>
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<td></td>
<td>Oshawa Community Museum</td>
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<td></td>
<td>RBC Blue Water</td>
</tr>
<tr>
<td>New Sponsors</td>
<td>Windreach Farm</td>
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<td></td>
<td>Soper Creek Wildlife Rescue</td>
</tr>
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<td></td>
<td>Scugog Shores Museums</td>
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<td></td>
<td>TD Friends of the Environment</td>
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<tr>
<td></td>
<td>Tribute Communities</td>
</tr>
<tr>
<td></td>
<td>Autism Ontario</td>
</tr>
<tr>
<td>Pancake Community Groups</td>
<td>Rotary Club of Oshawa Parkwood</td>
</tr>
<tr>
<td></td>
<td>36th Oshawa Pathfinders</td>
</tr>
<tr>
<td></td>
<td>Optimist Club of Oshawa</td>
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<tr>
<td></td>
<td>Girls Inc.</td>
</tr>
<tr>
<td></td>
<td>34th Oshawa Pathfinders</td>
</tr>
<tr>
<td></td>
<td>Kingsview United Church</td>
</tr>
<tr>
<td>Store Sales</td>
<td>Festival (45,116.25) Education (6,752.25)</td>
</tr>
<tr>
<td>Volunteers and Seasonal Staff</td>
<td>We hired 20 seasonal staff and received 615 hours of volunteers service from 36 Volunteers provided</td>
</tr>
<tr>
<td>Web Page and Social Media</td>
<td>16,800 visitors to the webpage, 450 Facebook followers, 18 tweets and 14 Facebook postings</td>
</tr>
<tr>
<td>Education Program</td>
<td>2,000 students toured the Sugarbush over 15 days of program delivery</td>
</tr>
</tbody>
</table>

RECOMMENDATION:

THAT Staff Report #5521-17 received for information.
2017 PURPLE WOODS MAPLE SYRUP FESTIVAL

May 2017
Table of Contents
INTRODUCTION .......................................................................................................................... 1
Admissions and Visitation .............................................................................................................. 1
New Sponsorship .......................................................................................................................... 3
Returning Sponsors ....................................................................................................................... 3
Volunteers ...................................................................................................................................... 2
Seasonal Staff ............................................................................................................................... 2
Horse and Wagon Feature ............................................................................................................ 2
In The Purple Woods Children’s Book ........................................................................................... 2
Store Sales ....................................................................................................................................... 2 - 3
Taffy Sales ....................................................................................................................................... 3
Pancake Sales ............................................................................................................................... 3 - 4
Children’s Activities ..................................................................................................................... 4
Education ........................................................................................................................................ 4
Marketing, Media Coverage and Visitor Feedback ........................................................................... 5
Production ....................................................................................................................................... 6
Health and Safety ........................................................................................................................... 6
2016 Recommendations Implemented in 2017 ............................................................................ 6
2016 Recommendations not implemented in 2017 ................................................................. 7
2017 Recommendations for Implementation in 2018 ............................................................ 7
Next Steps ....................................................................................................................................... 8
INTRODUCTION

For 42 years, Central Lake Ontario Conservation staff and their many community partners have contributed to the successful delivery of the annual Maple Syrup Festival at Purple Woods. From March 11 to 19 and the weekends of March 25 & 26 and April 1 & 23, CLOCA delivered a well received and affordable family experience to our regional community. We showcased 400 years of the maple syrup history in Ontario, complete with fireside stories told by our community volunteers. Our retail store offered a variety of maple syrup and maple syrup products for sale. Visitors had an opportunity to catch a horse and wagon ride through the sugar bush and enjoy some hot pancakes served up in the Heritage Hall by our community volunteers along with some delicious locally produced maple syrup.

Admissions and Visitation

Our numbers for 2017 were down from other years.

<table>
<thead>
<tr>
<th></th>
<th>2012*</th>
<th>2013*</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Admission Ticket Sales</td>
<td>12,547</td>
<td>14,466</td>
<td>8,433</td>
<td>10,454</td>
<td>9,220</td>
<td>8,383</td>
</tr>
</tbody>
</table>

*While 2012 and 2013 appear to be our best years, this was an estimate based on ticket sales that were not tracked with our current system.

Colder than seasonal temperatures during March break reduced visitation. The first 5 days of the Festival were below 0 degrees Celsius with the Monday, Tuesday and Wednesday of the Festival receiving a total of 4.4 cm of snow. Weather warnings on Monday March 13th called for snow and high winds up to 60 km per hour. A decision was made to close the Festival on Tuesday and offer online ticket holders a full refund or an alternate date option.

[Image of a snowy landscape] Weather continues to be a challenge in reaching our attendance capacity.
Our daily capacity continues to be 1,000 visitors per day. The amount of parking and the licensing agreement for Heritage Hall prevent us from modifying this number. We continue to offer morning and afternoon admissions to accommodate our visitors. We continue to offer online advance ticket sales using Checkfront as our service provider. We did have 3 days where we sold out during Festival delivery compared to 5 sold out days in 2016. We are seeing an increase in the purchase of admissions on site, which creates challenges for admissions staff and online ticket purchasers. In 2017, we estimate 25 percent of our ticket purchases were made at the site or the CLOCA offices.

We accommodated the situation by adding another staff person for quick IPhone scanning to ensure no wait times for online ticket buyers. Also to note, kitchen staff prepare food based on ticket sales at the beginning of the day. When sales double between 9am and 11am, food plans must change quickly. In the final recommendations below, we have suggested ticket purchases on site be increased a $1 per person to discourage this activity. Of note, it is not unusual for us to have our admission price questioned by visitors who think that includes pancakes.

Our Guests continue to lengthen their stay, many using our Festival as a meeting place for friends and family. We continue to accommodate large groups. In 2017, we hosted the Municipality of Clarington March Break Camp, 58 New Canadians from the Community Development Council of Durham, Church and Scout Groups, Autism Ontario, Ontario Shores Moodwalks and PFLAG Durham. We continue to implement the IPad technology for sales, inventory, and revenue tracking for store, pancake and admissions.
New Sponsorship
In an effort to increase visitation outside of the March Break, staff developed a partnership with Ontario Autism with them booking the afternoon tickets for 500 visitors and offering them to member families. All staff received some additional training as part of the orientation to ensure we were prepared to accommodate any special needs and ensure that a positive experience was provided.

Tribute Communities was approached to sponsor the Festival for the first time in 2017. They chose to cover off half of the admission costs for Saturday, March 25th and half the admission costs for the Autism Ontario families attending the Festival on the afternoon of Saturday, April 1st. They also sponsored the cost of the wagon rides for the Autism Ontario families.

New for 2017 were the introduction of a number of hands-on offerings from local cultural facilities. The Scugog Shores Museums, Windreach Farm and Soper Creek Wildlife Rescue brought a variety of new experiences to the Festival along with their knowledgeable staff and volunteers. Scugog Shores Museums incorporated more indigenous teachings complete with a touch table; Windreach Farm introduced live farm animals and the art of wool making; and Soper Creek Wildlife Rescue brought an assortment of rehabilitated wildlife for an up-close meet and greet. These programs offered these groups an opportunity to promote their programs and enhance our offerings at this year’s Festivals. Some modest fees were required, which covered travel costs and a modest donation for staff time. On site signage, news releases, website, social media and printed media identified the sponsors and their contributions throughout the Festival.

Returning Sponsors
A number of sponsorship continue to ensure the Festival is able to provide an affordable experience for our visitors. The following partners once again, contributed to various aspects of the Festival:

- Regional Municipality of Durham
- Ontario Power Generation Darlington
- Williams Communication
- Greenstone Tree Service
- Vickery Electric
- Oshawa Community Museum
- RBC Blue Water
- TD Friends of the Environment

Staff have calculated the in-kind and financial contributions from our new and returning sponsors to be in excess of $14,500 in 2017, up from $10,000 in 2016. This contribution of inkind and financial support, allows us to continue offering visitors an affordable family activity close to home. Sponsors who contributed more than $1,000 are recognized through CLOCA’s new Sponsorship Tree Recognition Sign. More sponsorship opportunities will be pursued for the 2018 Festival.
Volunteers
We continue to rely on high school students to deliver festival components including admissions, taking pancake orders, serving up cedar tea, coordinating our children’s activity area and hosting interpretive displays. We estimate about 615 volunteer hours were contributed by 36 volunteers to the Festival this year. This is down from the 675 hours we received in 2016 from 36 volunteers. We have noted volunteerism among high school students is declining, which could be attributed to our outdoor venue, family vacations during March Break and the availability of so many other volunteer opportunities in our community. Staff will be exploring other groups of volunteers including seniors, families and community organizations looking for a team building opportunity.

Seasonal Staff
We continue to hire about 20 seasonal staff to fill the short contract job postings which include Parking, Cashiers, Kitchen Supervisor and Kitchen, Interpretive, Taffy and Children’s Activity staff. We host a half day orientation session on site and online training to cover corporate and provincial employee training requirements. We were very fortunate in 2017 to have such a dedicated and flexible team of seasonal staff to support our Festival deliverables.

Horse and Wagon Feature
Lineups for the wagon rides were almost non-existent and when they did exist, they were bearable by our visitors young and old. We did not have to close the wagon rides in 2017 due to weather conditions and on warmer days, two teams were often available. Again, with online sales often being made midday to sell out tickets, our operator was challenged to plan for two teams. Visitors continue to pay the operator directly for the wagon ride. Tribute Communities sponsored horse and wagon rides for the Ontario Autism Day on Saturday April 1st. The operator collected tickets and CLOCA reimbursed the operator for the number of rides taken by our guests.

In The Purple Woods Children's Book
“In The Purple Woods” is a new children’s picture book created by Sandra and Garth Armstrong to celebrate their tradition of visiting the Festival for many years with their young family. Sandra wrote the story and Garth painted the memories which are found in the book. Their time and services were donated to the project with us covering the costs of printing and selling the book. Proceeds which are nominal, will be reinvested in the Festival. We sold 68 books during the Festival and hosted a book signing and an artist in residence painting day to showcase the product. Garth and Sandra donated one of the paintings to CLOCA for either continual display or fundraising efforts in the future. We look forward to the book gracing our shelves for many years to come.

Store Sales
Our store sales in 2017 for the Festival were $51,869 which reflects an average of $5.40 per visitor an increase from 2016 which were $5.22 per visitor, up from 2015 which was $4.80 per visitor spent in the store. There is a payable of $1,317.49 for HST in the store revenues reported.
CLOCA Purple Woods Maple Syrup Festival

<table>
<thead>
<tr>
<th>Festival</th>
<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Store Sales (Festival + Education)</td>
<td>NA</td>
<td>55,900</td>
<td>47,850</td>
<td>50,589</td>
<td>48,180</td>
<td>51,869</td>
</tr>
</tbody>
</table>

Each year the store seems to be more and more popular, with some challenges to displaying product and facilitating lineups at the two cashier stations. The store hours are extended beyond the Festival dates to accommodate the general public and school program purchases and all product except for syrup was sold out. Our syrup continues to be available for purchase from the office Monday to Friday from 8:30 to 4:30. It is recommended that customers call the office in advance to ensure the product size and syrup grade is available on site or can be brought to the office to accommodate the purchase.

End of day cash closing processes continue to be streamlined and managed by our Corporate Services staff to create more efficiencies for cashiers and accounting staff. A single bank deposit is done each day to ensure we keep on-site cash to a minimum. Floats were consistent with 2015 floats as the demand for cash sales continues to decline, replaced by the convenience of debit and credit. With our online inventory and sales, managing and reporting daily financial statistics were seamless.

**Taffy Sales**

The Taffy Shack created last year was improved with some additional wind protection to assist with keeping the propane finishing pan operating outside. An assessment report has been prepared identifying operation and revenue costs to ensure the effort to provide the product remains reasonable. A seasonal staff person was hired and worked with CLOCA staff to operate this program and it is suggested in the recommendations that a cashier be dedicated to this activity. Taffy sales were $5,916. The response to this product now offered for two years, has been very positive and staff will prepare a cost recovery analysis to ensure product and delivery efficiency are in place for 2018.

**Pancake Sales**

The Facilities were inspected and water quality samples taken in March providing us with a Durham Region Health Department Dine Safe certification for another year. CLOCA staff did an exceptional job in preparing the kitchen, washrooms, Heritage Store and Hall, Sugar Shack, and Taffy Shack for the inspection.

The Heritage Kitchen was operated by two kitchen supervisors who job-shared and oversaw the delivery of the community and education pancake programs. This year there were 6 community organizations covering 11 days of the Festival, while CLOCA staff in partnership with RBC, covered 1 of those days. Complaints in the past about food quality and lineups were addressed in 2016 with the addition of five kitchen staff responsible for kitchen operations including pancake batter preparation, grill operations and general cleanup. The community groups assisted in the serving of drinks, pancakes, general cleanup and managing Heritage Hall. The 6 groups receive an equal share of the profits.
which are calculated using total pancake revenues, subtracting expenditures and kitchen operational costs. We estimate the value of the community group contributions to be $500 per day in kind. As per our recommendations in 2016, we added a new food item, a pre-cooked gluten free turkey sausage which was available throughout the Festival to increase and enhance the pancake program.

Our participating community groups were as follows:

- Rotary Club of Oshawa Parkwood
- Optimist Club of Oshawa
- 34th Oshawa Pathfinders
- 36th Oshawa Pathfinders
- Girls Inc.
- Kingsview United Church

A special thanks to Chair Don Mitchell, Vice Chair Councillor Bob Chapman, David Pickles, and Derrick Gleed for helping dish out the pancakes, with Bob Chapman spending multiple days behind the service counter with the groups above. Also to the many staff from RBC who assisted CLOCA staff (Jackie Scott, Perry Sisson, Robin Brand and Gord Geissberger) on our pancake day, in the kitchen and Heritage Hall.

Children’s Activities

New children’s activities continue to be introduced to complement the pioneer games and stilt walking from previous years. The passport program continued, which gives adults and children an opportunity to ask questions and engage in more interactive conversations with our seasonal staff and volunteers.

Again, thanks to an ongoing partnership with Ontario Power Generation, the costs for our children’s craft, a game to make and take, and full sponsorship of OPG Day on the Friday of March Break, brought more volunteers and treats to participants.

Education

The Sugar Bush Tours at Purple Woods are well received by students, teachers and parents with bookings completed by early February with just over 2,000 students visiting over 15 days of the program. Production of maple syrup was slow to start, but most participants were able to see our sugar shack in full operation. Weather continues to be a factor as this is an outdoor program, with 2 days of programs cancelled with no opportunities for rescheduling. The weather, although not perfect, allowed for most classes to see the Sugar shack in full operation. One day was cancelled due to the snow storm and 1 class cancelled because of rain. Unfortunately we were unable to reschedule the cancelled programs. We
continued to use an iPad so students could see how fast the sap comes down the tubes and we were able to show students video’s from previous days when the sugar shack was operating.

We continued to offer the pancake lunch option to students and teachers, 28 lunch spaces were booked out of a possible 32. We also had 3 schools travel from Scarborough to attend our Sugar bush tours. Teachers have already started to book for next year.

Marketing, Media Coverage and Visitor Feedback

• Advertising and promotion were updated in 2017 to reflect our new offerings and on-site improvements. Taking advantage of our mailing list from the 2014 to 2016 online ticket sales we reduce advertising costs.

• The Region of Durham Roads staff continue to place road signs on Simcoe Street North and South and the date banner signage on site was updated. The City of Oshawa once again donated the cover of their March Retail Pages publication to promote the Festival. Social media pages for Facebook and Twitter were updated with 18 tweets/retweets to 450 followers and 14 Facebook postings completed by staff.

• Event coverage was provided by local papers and radio, and a segment on Rogers’ Daytime and Durham News Now. The Festival’s web page saw 16,800 visitors using the following technology: tablet (9%) mobile (55%) and desktop (36%).

• Staff contracted Checkfront, a Canadian online ticket sales company, to service sales with excellent results and low service fees. Cashiers and Admissions staff continued to hear that our visitors like the online tickets and we benefit from additional email contacts to include in CLOCA event promotions throughout the year. Currently, 290 families have asked to be notified of CLOCA public events and we have a Festival past customer mailing list of 5,648 for the 2018 Festival.

• Staff once again promoted an online survey to provide feedback on the visitor’s experience. This year 7 completed the survey as compared to 8/2016/, 3/2015 and 15/2014. Staff are diligent onsite to randomly ask visitors for their feedback. Many of our guests compared our Festival to others in the area or past Festivals here and indicated this continues to be well organized and an excellent experience. All survey participants were entered into a draw for a one year CLOCA Conservation Area Parking Pass.

• On March 11th, Central Counties Tourism hired a professional photographer/video company to take promotional media at our Festival. This included professional models and a drone flight. CLOCA will have access to the photos and video taken on that day for promotional purposes to support the 2018 Festival.

• We hosted year two of our annual photo contest for visitors to the Maple Syrup Festival. This was a very interactive and positive way to have guests share their experiences and for us to obtain some candid images of our Festival from the eyes of our visitors. CLOCA obtains the rights to all photos submitted. A total of 103 photos were submitted from 23 participants. Three CLOCA Conservation Area Parking Passes were awarded to participants chosen randomly from the submissions. The photo contest will run again in 2018.

• Below are some comments received from the photo submissions:
“Another excellent year at Purple Woods, thank-you!!!”

“It was our first time at the Maple Syrup Festival with our newborn son and we had a lot of fun! We’re looking forward to making this an annual family tradition. 😊”

“It was super nice to visit this place for the first time. My son and I had a lot of fun. Thank-you!”

Production
An estimated 1,000 trees were tapped, some with more than one tap, making a total of 1,200 taps. Historical records for production and tapping are below for comparison.

- 2017 = 1030 Litres tapped February 21
- 2016 = 1143 Litres tapped February 18
- 2015 = 1200 Litres tapped March 10
- 2014 = 970 Litres tapped March 7
- 2013 = 820 Litres tapped February 14

Of note is the increase in syrup production since the purchase of our new evaporator system in 2013. During 2009-2012 our production total was 600 Litres per year on average; in more recent years that production has almost doubled. Improvements to the production operations in 2017 included vapor-proof lighting and a larger hot water tank.

Health and Safety
The following inspections were completed prior to the Festival opening:
- York-Durham Lab Water Report – February 17/17
- Greenstone Tree Service Hazardous Trees Inspection – February 2-16/17
- Centurion Fire Control Fire Extinguisher Service – December 1/16
- Kitchen Hood and Stove – October 17/16

2016 Planned Improvements Implemented in 2017
The following recommendations made by staff in 2016 were implemented in 2017:
- Continued efforts to improve cost recovery through sponsorship and new products;
- Job Descriptions were combined for multiple roles under Seasonal Staff and Volunteer program to allow for flexibility in scheduling and variety for participants;
- Better coordination of online training with corporate Health and Safety requirements to create seamless product and continue to streamline online training for seasonal staff and volunteers;
- Developed a new partnership with Autism Ontario for final weekend to support April Autism Month;
Continued to offer food products to ensure we accommodate dietary and allergy requirements for our diverse visitors; we offered pre-cooked gluten free turkey sausages as a permanent option;

Continued to evaluate taffy making process to ensure efficiencies and production is streamlined;

Tool Box Talks were developed for each role within the Festival;

Created a visual document to summarize BMP’s for taffy making;

Permanent CLOCA staff received a refresher training session for cash and inventory procedures;

2016 Planned Improvements not implemented in 2017

Enhance sponsorship offerings to include 3 new door sets on the south side of building;

Establish operation procedures for trades servicing Heritage Hall during the Festival (internet, electrical, plumbing, fire and water quality testing);

Consider partnership with Durham College Culinary program to operate Heritage Kitchen replacing community model currently in place. Community groups will have the opportunity to receive funding, but limit their active role in the kitchen;

2017 Planned Improvements for Implementation in 2018

Create more detailed beginning and end of day check list for on-site supervisor for all staff to follow;

Create visual document to summarize BMP’s for stove and grill operations for seasonal staff;

Revisit retail space layout and adjacent space to accommodate product displays and cashier stations to create better flows and shopping experiences;

Offer guided tours rather than stationing seasonal staff at each of the interpretive stops. Operate on a 15 or 20 minute cycle;

Hire a cashier register to assist Taffy Sales with collection and tracking of sales and general operations;

Increase admissions price for onsite ticket purchases to $6.00 plus hst;

Consider offering an alternative product to families arriving without tickets on sold out days;

Track family pass tickets better to determine which ones are actually used and what percentage they represent of overall admissions;

Research additional or new food products. Consider a food truck at the bottom of the Festival;

Consider reducing the number of days the Festival operates from 13 to 11 or consider weekends only for 5 or 6 weeks to extend into warmer weather;

Consider hosting an evening event. Research similar offering at the The Kortright Centre in Vaughan;

Update the education form for store purchases and program invoicing;
Continue to seek new sponsorship programs similar to Tribute Communities and Ontario Autism Day to build diversity of visitors and assist with increasing attendance;

Update Indigenous display to be more reflective of local history possibly replacing the tipi with a more locally representative structure, subject to available funds;

Continue combining seasonal staff job descriptions to ensure flexibility for staffing shortages and unexpected illness;

Reach out to a variety of potential volunteer groups and individuals to address the declining interest of high school students;

Clearly state on our website and on site, our food allergy limitations particularly that we are not a nut free facility.

Order pancake products from Canada Wholesale online with corporate Visa and pre order sausages from Costco with a staff advance, to reduce personal expenditures and reduce pickup and delivery costs.

Ensure the following items are printed on the tickets
- No refunds
- No dogs
- Festival Hours of Operation and arrival times
- Pancakes not included.

Next Steps

We would be remiss if we did not thank all of the CLOCA staff, Board of Directors, sponsors, seasonal staff, volunteers and visitors for making this a very successful and rewarding corporate event.

We will begin planning for the 2018 Maple Syrup Festival with a full workplan initiated in December 2017 for delivery in March 2018.
The following report is intended to inform and update the members of land management and field operation activities within our Conservation Areas during the winter and spring of 2016/2017.

Our Conservation Areas received the first snowfall in mid-November this season, with fairly significant snowfall amounts throughout December 2016. Visitors to our Areas experienced conditions that permitted some cross-country skiing and snowshoeing on our trails. Routine maintenance activities included snow removal, shovelling, salting/sanding and other associated activities necessary to keep our parking lots and walkways free and clear of snow and ice. CLOCA owned parking lots that were cleared and maintained during the winter months included the Main Administrative Office, Lynde Shores Conservation Area, Heber Down Conservation Area, Enniskillen Conservation Area and Long Sault Conservation Area, Stephen’s Gulch Conservation Area and Bowmanville Westside Conservation Area. The Purple Woods Conservation Area was added to the maintenance list in February as we prepared the grounds for the Maple Syrup Festival.

**Small Drinking Water Systems Regulation**

The Authority owns and operates two small drinking water systems; the Enniskillen Conservation Area (Education Centre) and the Purple Woods Heritage Hall. Our systems have been inspected by staff at the Durham Region Health Department and we are operating in accordance with Ontario Regulation 319/08 (Small Drinking Water Systems Regulation). Appropriate water treatment systems have been installed in accordance with these regulations and regular monitoring/sampling schedules have been developed and are being adhered to by staff.

**Purple Woods Conservation Area**

Trees were fully tapped by February 24, 2017 this year, in comparison to February 18, 2016 last year. The sap was running this year as we completed tapping activities. By Sunday, February 26th we managed to collect approximately 7500L of sap and commenced boiling/production activities. Boiling and production activities went very well this season with the exception of March Break, where the temperatures were simply too cold for the sap to run. Near the end of March Break, sap collection and maple syrup production activities picked up. 

Sap collection in the sugar bush this year was sporadic, but the season did officially stretch into April, with our last day of boiling being April 6, 2017. A yield of well over 1000L of fresh high quality Ontario produced maple syrup is a testament to the effort and hard work of Land Management and Education staff.

Cont’d
Throughout the months of February, March, and April operations staff focused on the Purple Woods Conservation Area, ensuring that the Purple Woods Heritage Hall and grounds would be ready to host the Maple Syrup Festival. The following works were completed:

- All maple syrup production equipment was transported to the sugar bush and thoroughly cleaned and prepared for sap collection and demonstration.
- The Purple Woods Heritage Hall was cleaned and equipped with minor alterations to help the Festival run as smoothly as possible.
- Signs/sign bases were created to assist with traffic flow and parking.
- All infrastructure (ie: buildings, trails, trees, parking lots, etc.) were inspected. Several hazard trees were identified with either Beech Bark Disease or Emerald Ash Borer, and land management staff spent approximately two weeks ensuring that hazard trees were attenuated. Wherever possible, all downed and damaged trees will be cut, split and utilized as fuel in the wood fired evaporator.
- A section of main tap-line, secondary sap collection lines and new spiles were replaced in an effort to contribute to sap quality and production.
- Small Drinking Water System was prepared for public consumption.
- Land Management & Operations staff constructed a brand new, fully accessible Family Restroom situated at the base of the hill (near Aunt Penny’s Cabin) to cater to the needs of our patrons. We also completed minor renovations to the Sugar Shack and to the Taffy Shack.
On Friday, April 7, 2017, CLOCA staff had to close the Purple Woods Conservation Area due to inclement weather prior to the arrival of environmental education school groups. The photos below are an excellent representation of “inclement weather” and reacting to issues that the elements can offer. The area was closed and hazard trees/limbs were safely removed by staff.

**Heber Down Conservation Area**

The long laneway into the Heber Down Conservation Area continues to remain on top of the list for operational challenges due to complaints about bumps/potholes. Asphalt in portions of the laneway has started to break up creating large potholes. Operations staff have already filled holes once and are planning to grade and fill the potholes with 3/4” clear stone and cold patch (when weather permits). Fortunately, plans are being executed as part of the Canada 150 Infrastructure Funding to relocate all main parking infrastructure to a new main entrance for the Heber Down Conservation Area, accessible via Highway 7 and Cochrane Street. Completion of this work is anticipated to be in the Fall of 2017.

**Enniskillen Conservation Area**

Operations staff continue to make improvements to the trail and parking infrastructure at the Enniskillen Conservation Area. In addition to the solar powered pay and display machine that was added last season, we have updated our kiosk panels to reflect all changes to the trail network (ie: new trails added and existing trails renovated). Staff have also expanded the Enniskillen Education Centre parking lot to improve sight lines and ensure that it is safe for environmental education groups/buses.

Cont’d
Stephen’s Gulch Conservation Area

Routine Conservation Area inspection work by Land Management staff flagged a bridge that was in need of replacement at the Stephen’s Gulch Conservation Area. The former bridge that was in poor condition was replaced by a “tractor trailer” bridge decked with Douglas Fir.

Hampton Conservation Area

Land Management staff received complaints from members of the public regarding vandalism to the kiosk at the Hampton CA. Replacement kiosk panels were installed to replace panels damaged by graffiti.

Cont’d
Land Management & Operations – Cooperative Education Student

CLOCA staff are pleased to be joined by a high school student from the Clarington Central Secondary School (CCSS) in Bowmanville. Kevin will be gaining invaluable work experience with CLOCA as part of the CCSS Cooperative Education program. Kevin will be working alongside CLOCA Land Management & Operations staff through June 2017 and potentially beyond as part of our summer program. Kevin completed a “CLOCA display” at his career fair as part of his cooperative program.

RECOMMENDATION:

THAT Staff Report #5519-17 be received for information.
DATE: May 16, 2017
FILE: NFFE12
S.R.: 5525-17
TO: The Chair and Members, CLOCA Board of Directors
FROM: R. Perry Sisson, Director – Engineering and Field Operations
SUBJECT: Lake Ontario Water Levels

The Big Picture

The Lake Ontario water levels have risen to near historically high levels, causing concern for flooding and erosion of our shoreline and residents. Although Lake Ontario entered the year at normal levels, there has been a rapid rise in level since January (see attachment). The increases have been attributed to significant snow and rain over the great lakes drainage basin through the winter and spring. Lake Ontario is fed by the upper Great lakes, with a massive watershed area consisting of parts of the States of Illinois, Indiana, Michigan, Minnesota, New York, Ohio, Pennsylvania, and Wisconsin in the United States, and the province of Ontario in Canada. The local watersheds, including the Central Lake Ontario Conservation Authority watershed, are a very small piece of a much larger picture.

Although Lake Ontario water levels are partially controlled by the Moses Saunders Dam near Cornwall, the outflow rate must be managed to control flooding through Quebec on the St. Lawrence River system. The International Joint Commission (an organization established by the governments of the United States and Canada under the Boundary Waters Treaty of 1909) sets plans for Lake level control. The most recent Plan 2014 is designed to provide for more natural variations of water levels of Lake Ontario and the St Lawrence River that are needed to restore ecosystem health. The Plan is designed to moderate extremely high and low levels, maintain levels for navigation and recreational boating, and optimize power production. The plan allows year to year variation in water level to improve coastal health. Refer to attachment for Plan 2014 operating water levels.

Lake Ontario water level fluctuates through the year, and normally reaches the annual high water level in June. The current water level (75.5 meters above sea level as of May 8, 2017) is about 0.5 meters higher than the long term average for May. While Lake levels generally rise and fall slowly, significant daily fluctuations will occur during storm events. Storm surge, caused by low pressure weather systems, can “push” water onto the shore, causing local increases to affected portions of the Lake shoreline. In addition to surge, wave run-up on the shoreline can be a significant factor, and is controlled by wind direction and velocity.

CLOCA’s role

CLOCA has no role in setting or controlling water levels in Lake Ontario. Our role in flood management involves:

- Prevention – promoting proper land use planning and regulation of new development to prevent or reduce risk to people from living and/or working in flood prone areas
- Emergency preparedness – provide information and warning to our partner agencies as described in our Flood Contingency Plan to allow municipalities to prepare and implement plans for quick response to emergency situations created by flooding. The Contingency Plan has been developed to be consistent for the GTA Conservation Authorities and our partners, and includes the roles and responsibilities for all involved. Flood warnings for Lake Ontario are based on meeting minimum criteria for water level and/or wave height.

Cont’d
The Lake Ontario Shoreline Management Plan (Sandwell, Swan, Wooster, Inc., 1990) was commissioned by the Lower Trent Region, Ganaraska, and Central Lake Ontario Conservation Authorities to provide a comprehensive assessment of our shoreline. The report identifies flood and erosion hazards along shoreline reaches and identification of flood and erosion damage centres. The information contained in the Management Plan provides the critical water elevations and wave heights required for issuing flood warnings.

The Local Picture
CLOCA issued a News Release in April, identifying the potential for flooding and erosion of our shorelines with the unusually high Lake levels. CLOCA also issued a Flood Watch on May 1st, a Flood Watch Update on May 3, and a Flood Warning on May 5th, as Lake water levels, storm surge, waves, and significant precipitation all combined to cause flooding. With the current water levels and projection for the near future, it is probable that more warnings will be issued and shoreline communities will continue to be impacted during surge and/or wind events. This risk is likely to persist into June, until Lake levels begin to recede.

In addition to the direct risk of flooding from the elevated Lake level, shoreline areas are also affected by elevated water levels in the stream system that drain to the Lake. Water levels in our stream mouths and coastal wetlands are significantly elevated and have less capacity to convey runoff from storm events. This poses another flood risk to shoreline communities.

Elevated water levels also increase the rate of erosion of our shorelines. Beaches will be shifted and bluffs will be undermined and prone to failure. The recent precipitation and ground saturation may further destabilize bluff slopes.

CLOCA has a number of coastal damage centres that are within the 100 year flood and/or erosion limits of Lake Ontario. They include Port Darlington in Clarington, (including East Beach Road, West Beach Road, Cove Road, and Cedar Crest Beach Road) Muskoka Avenue and Stone Street in Oshawa, and Crystal Beach, in Whitby. The Cedar Crest Beach and West Beach communities have been the most affected communities to date. These communities are located on beaches sandwiched between Lake Ontario and coastal wetlands, and have access roads that are marginally higher than the current Lake water elevation. The communities are prone to flooding and erosion from Lake Ontario as well as flooding from the coastal wetlands.

CLOCA staff will continue to closely monitor Lake levels and weather conditions, and provide warnings for our municipal partners during this period of elevated Lake Ontario water levels.

**RECOMMENDATION:**
*THAT Staff Report #5525-17 be received for information.*

**ATTACH.**
RPS/bb
On November 15, 2016, the Board of Directors reviewed and approved a staff report regarding the proposed 2017 budget. Following the Region’s approval of CLOCA’s budget submission on February 8, 2017, staff proceeded to finalize the budget (under separate cover) for the Board’s consideration. The Region approved an operating budget increase of 2.5% over 2016.

The budget is built on the Region’s approval as follows:

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Levy</td>
<td>$3,728,935</td>
<td>$3,637,985</td>
</tr>
<tr>
<td>Special Municipal Levy - Groundwater Festival</td>
<td>$50,000</td>
<td>$50,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$3,778,935</strong></td>
<td><strong>$3,687,985</strong></td>
</tr>
</tbody>
</table>

Transfer payments from the Ministry of Natural Resources and Forestry remain unchanged from prior years ($125,000). The Ministry of the Environment and Climate Change continues to fund CLOCA for source water protection work primarily related to GIS and IT support $64,700 (2016 - $74,000).

Other government funding in the budget is as follows:

<table>
<thead>
<tr>
<th>Federal Grants</th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada Summer Jobs</td>
<td>11,775</td>
<td></td>
</tr>
<tr>
<td>Bowmanville Marsh Restoration - Env Canada</td>
<td>35,125</td>
<td></td>
</tr>
<tr>
<td>Durham Coastal Wetlands - Env Canada</td>
<td>32,000</td>
<td></td>
</tr>
<tr>
<td>McLaughline Bay - Shoreline Restoration</td>
<td>9,160</td>
<td></td>
</tr>
<tr>
<td>Watershed Flood Risk Assessment-NDMP</td>
<td>22,500</td>
<td></td>
</tr>
<tr>
<td>Heber Down Parking Lot - Canada 150</td>
<td>226,000</td>
<td></td>
</tr>
<tr>
<td><strong>Total Federal Grants</strong></td>
<td>336,560</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Provincial Grants</th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>MNRF Summer Employment Program</td>
<td></td>
<td>6,200</td>
</tr>
<tr>
<td>Other Grants</td>
<td></td>
<td>14,875</td>
</tr>
<tr>
<td>Bowmanville Marsh Restoration-Ducks Unltd</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total Provincial Grants</strong></td>
<td></td>
<td>336,560</td>
</tr>
</tbody>
</table>

Other revenue accounts include funding from OPG, Hydro One, Enbridge, The City of Oshawa ($25k), and the YPDT Groundwater funding received from TRCA ($769k).

The 2017 budgeted reserve transfer of $50,080 relates to forestry management expenditures within our conservation areas ($15,000), the Roger’s Property transfer of the excess designated gift from the CLOC Fund (-$27,770), transfer of interest earned (-$150) relating to the Schillings Land reserve account and a transfer of $63,000 from the land operation reserve to supplement the Canada 150 infrastructure improvements at Heber Down Conservation Area.

Cont’d
2017 Budgeted Deferred Revenue totalling $94,304 (2015 - $81,845) consists of the following accounts:

<table>
<thead>
<tr>
<th>2017 Deferred Revenue</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Watershed Flood Risk Assessment</td>
<td>3,280</td>
</tr>
<tr>
<td>McLaughlin Bay Shoreline Restoration</td>
<td>11,840</td>
</tr>
<tr>
<td>Tree Sales Program (Spraying)</td>
<td>3,165</td>
</tr>
<tr>
<td>YPDT - CTC Modelling</td>
<td>55,000</td>
</tr>
<tr>
<td>YPDT - Groundwater Studies</td>
<td>18,075</td>
</tr>
<tr>
<td>Westside/Bowmanville Marsh (funding from Clarington)</td>
<td>2,944</td>
</tr>
<tr>
<td></td>
<td><strong>94,304</strong></td>
</tr>
</tbody>
</table>

A number of land management expenses have been deferred to future years. Some of these expenses may be realized in 2017 if the Region completes their CA land management funding review and funding is provided in 2017.

All revenue estimates are based on the fee schedule approved by the Board of Directors on December November 15, 2016. Estimates for plan review, regulation and large fill site fees have been increased to reflect the new fee structure that was put in place in December 2015 for plan review and regulation fees and the increased activity over the last 2 years.

The recommended 2017 budget reflects an allocation of resources to support CLOCAs planned programs and services for 2017. The budget will allow the Authority to continue to work towards our mission of advancing watershed health through engagement, science and conservation.

**RECOMMENDATION:**

THAT Staff Report #5524-17 be received for information;

THAT the proposed 2017 budget estimates, totalling $7,068,605 be approved, as presented; and,

THAT copies of the 2017 Budget Report, as approved, be circulated to the Region of Durham and lower tier municipalities for their information about the projects and programs of the Central Lake Ontario Conservation Authority in 2017.

Attach. (separately)

RC/bb